

PATENT APPLICATION

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the Application of

Glaucia PARANHOS-BACCALA; Mylene  
LESENECHAL and Michel JOLIVET

Prior Group Art Unit: 1641

Application No.: Rule 1.53(b) Div. Appln. of  
U.S. Appln. No. 08/480,917, filed June 7, 1995

Prior Examiner: J. Shav

Filed: August 24, 1998

Docket No.: WPB 36400B

For: TRYPANOSOMA CRUZI ANTIGEN, GENE ENCODING THEREFOR AND  
METHODS OF DETECTING AND TREATING CHAGAS DISEASE



INFORMATION DISCLOSURE STATEMENT

Assistant Commissioner for Patents  
Washington, D.C. 20231

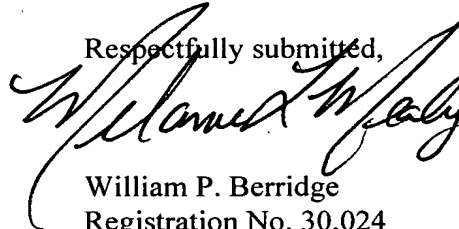
Sir:

Pursuant to 37 CFR §1.56, the attention of the Patent and Trademark Office is hereby directed to the reference(s) listed on the attached PTO-1449. Unless otherwise indicated herein, one copy of each reference is attached. It is respectfully requested that the information be expressly considered during the prosecution of this application, and that the reference(s) be made of record therein and appear among the "References Cited" on any patent to issue therefrom.

- ☒ 1. This Information Disclosure Statement is being filed within three months of the U.S. filing date OR before the mailing date of a first Office Action on the merits. No certification or fee is required.
- ☐ 2. This Information Disclosure Statement is being filed more than three months after the U.S. filing date AND after the mailing date of the first Office Action on the merits, but before the mailing date of a Final Rejection or Notice of Allowance.
- ☐ a. I hereby certify that each item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Information Disclosure Statement. 37 CFR §1.97(e)(1).
- ☐ b. I hereby certify that no item of information in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application or, to my knowledge after making reasonable inquiry, was known to any individual designated in 37 CFR §1.56(c) more than three months prior to the filing of this Information Disclosure Statement. 37 CFR §1.97(e)(2).

- ☐ c. Attached is our check no. \_\_\_\_\_ in the amount of \$240.00 in payment of the fee under 37 CFR §1.17(p). Please credit or debit Deposit Account No. 15-0461 as needed to ensure consideration of the disclosed information. Two duplicate copies of this paper are attached.
- ☐ 3. This Information Disclosure Statement is being filed more than three months after the U.S. filing date and after the mailing date of a Final Rejection or Notice of Allowance, but before payment of the Issue Fee. Applicant(s) hereby petition(s) that the Information Disclosure Statement be considered. Attached is our Check No. \_\_\_\_\_ in the amount of \$130.00 in payment of the petition fee under 37 CFR §1.17(i)(1). Please credit or debit Deposit Account No. 15-0461 as needed to ensure consideration of the disclosed information. Two duplicate copies of this paper are attached.
- ☐ a. I hereby certify that each item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Information Disclosure Statement. 37 CFR §1.97(e)(1).
- ☐ b. I hereby certify that no item of information in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application or, to my knowledge after making reasonable inquiry, was known to any individual designated in 37 CFR §1.56(c) more than three months prior to the filing of this Information Disclosure Statement. 37 CFR §1.97(e)(2).
- ☒ 4. The references were cited by or submitted to the Office in parent application No. 08/480,917, filed June 7, 1995, which is relied upon for an earlier filing date under 35 U.S.C. §120. Thus, copies of these references are not attached. 37 CFR §1.98(d).
- ☒ 5. The references were cited in counterpart foreign applications. English language versions of the foreign search reports are attached for the Examiner's information.

Respectfully submitted,



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Form PTO-1449 (REV. 8-83)		US Dept. of Commerce PATENT & TRADEMARK OFFICE		ATTY DOCKET NO. WPB 36400B		APPLICATION NO. Rule 1.53(b) Div. Appln. of U.S. Appln. No. 08/480,917, filed June 7, 1995	
INFORMATION DISCLOSURE STATEMENT  (Use several sheets if necessary)				APPLICANTS Glucia PARANHOS-BACCALA; Mylene LESENECHAL and Michel JOLIVET			
				FILING DATE August 24, 1998		PRIOR GROUP 1641	
U.S. PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	
		5,550,027	08/27/96	WINKLER et al.			
FOREIGN PATENT DOCUMENTS							
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	
		WO-A- 9401776	01/20/94	WIPO			
		WO-A- 9117759	11/28/91	WIPO			
		FR-A-2452288	10/24/80	FRANCE			
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)							
		E. De GASPARI et al., "Trypanosoma cruzi: Studies on the Reactivity of Antibodies Bound to the Surface of Blood					
		Forms at the Early Phase of Infection," <u>Acta Tropica</u> , Vol. 56, No. 1, Feb. 1994, pp. 79-87.					
		A. GRUPPI et al., "Trypanosoma cruzi Exoantigens: Can Those Recognized By Sera from Chagasic Patients Trigger a					
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		G. PARANHOS-BACCALA et al., "Detection of Antibodies in Sera from Chagas' Disease Patients Using a Trypanosoma					
		cruzi Immunodominant Recombinant Antigen," <u>Parasite Immunology</u> , Vol. 16, No. 3, March 1994, pp. 165-169.					
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		Repetitive Epitopes," <u>Molecular and Biochemical Parasitology</u> , Vol. 35, 1989, pp. 127-136.					
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		Human Chagasic Sera," <u>Journal of Clinical Microbiology</u> , Vol. 28, No. 3, March 1990, pp. 519-524.					
EXAMINER					DATE CONSIDERED		
Examiner: Initial if citation considered, whether or not citation is in conformance with M.P.E.P. 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.							

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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)							
		F. SANGER, "DNA Sequencing with Chain-Terminating Inhibitors," <u>Proc. Natl. Acad. Sci.</u> , USA, Vol. 74, No. 12, pp. 5463-5467, December 1977.					
		U. LAEMMLI, "Cleavage of Structural Proteins During the Assembly of the Head of Bacteriophage T4," <u>Nature</u> , Vol. 227, August 15, 1970, pp. 680-685.					
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		T. HUYNH et al., "Constructing and Screening cDNA Libraries in $\lambda$ gt10 and $\lambda$ gt 11," <u>Cloning: A Practical Approach</u> , pp. 49-78, D. Glover, ed. (1984).					
		N. YOSHIDA, "Surface Antigens of Metacyclic Trypomastigotes of Trypanosoma cruzi," <u>Infection and Immunity</u> , Vol. 40, No. 2, May 1983, pp. 836-839.					
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		E. SOUTHERN, "Detection of Specific Sequences Among DNA Fragments Separated by Gel Electrophoresis," <u>J. Mol. Biol.</u> , Vol. 98, 1975, pp. 503-517.					
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